Ecotech
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8301 Series

ZERO AIR GENERATORS

ECOTECH 8301 Series Zero Air Generators have been designed to supply zero air (contaminant free) to a dilution calibration system, such as the GasCal 1100.

8301LC Zero Air Generator

8301P Portable Zero Air Generator

The system comprises a compressed air source, permeation dryer and a series of optional scrubbers chosen depending on the application, producing clean, dry dilution quality "zero air."

BENEFITS

Model 8301LC

- Available as either a 19" rack-mounted enclosure or as a portable version
- Provides in excess of 9 LPM at 2 bar or 200 kPa, 20 °C ambient and sea level.

Model 8301LC-H

- A high capacity variant
- Provides in excess of 20 LPM at 2 bar or 200 kPa, 20 °C ambient and sea level.

Model 8301P

- Provides in excess of 9 lpm of zero air at a pressure of 200 kPa, 20 °C ambient and sea level, and is ideal for use with dilution gas calibrators.

SPECIFICATIONS

Zero air flow:	0 - 10 l/min (std for 8301LC)
	0 - 20 l/min (std for 8301LC-H)
	0 - 9 l/m at 200 kPa (std for 8301 P)
Protection:	Pump is thermally protected
Zero air pressure:	100 - 200 kPa
	200 kPa (nominal for portable version)
Dew Point:	- 15 °C (nominal)*
Power:	220 VAC 50 Hz (115 VAC 60 Hz optional)
Air Scrubbers:	Air Clean-Up Canister removes:
(Only standard on Model 8301P)	NO_x, NO, NO_2, O_3, SO_2, H_2S,
	Less < 0.1 ppb
	Optional: Air cleanup canister for NH_3 or CO_2
Size:	
8301LC & 8301LC-H:	height: 230mmH (5RU) with rubber feet
	width: 482mm
	depth: 352mm
8301P:	height: 250mm
	width: 280mm
	(including scrubber canisters)
	length: 565mm
	(including optional HCS-1000)^

* specifications are subject to environmental conditions and flow rates.
^ portable version can be optioned with a HCS-1000 fitted to the end.

OPTIONS

ECOTECH HCS-1000 Heated CO Scrubber

- PN ECO-HCS1000 or ECO-HCS1000-115

The HCS-1000 is designed to be used with the 8301LC/8301P Zero Air Generator to remove CO to less than 0.1 ppm and the addition of a Hopcalite® scrubber is required for background use.

ECOTECH HTO-1000HC Heated Hydrocarbon/CO Scrubber

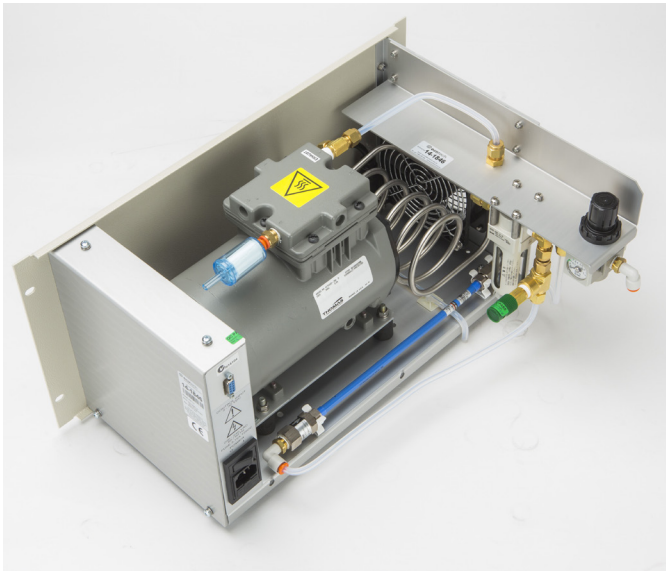
- ECO-HTO1000HC or ECOHTO1000HC-115

The HTO1000HC scrubber can be used with the 8301LC Zero Air Generator to remove CH_4, CO and light hydrocarbons to less than 20 ppb.

ECOTECH External Tank Option

- PN E040030

Designed for use when wanting to provide a constant supply of zero air for use with FID based Hydrocarbon analysers.



8301LC Zero Air Generator

8301P Portable Zero Air Generator

bsi. ISO 9001 Quality Management FS 603790 AS/NZS 4801 Occupational Health and Safety Management OHS 603791

ECOTECH Pty Ltd (Global Head Office)
1492 Ferntree Gully Road Knoxfield VIC 3180 Melbourne Australia
+61 3 9730 7800 email@ecotech.com **ecotech.com**

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